



SEQUENCE LISTING

<110> Gray, Joe
Neve, Richard M.
The Regents of the University of California

<120> Breast Cancer Genes

<130> 023070-139300US

<140> US 10/616,403

<141> 2003-07-08

<160> 7

<170> PatentIn Ver. 2.1

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<212> DNA

<213> Homo sapiens

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<223> Bcl2-associated athanogene 4 (BAG4), Silencer of
Death Domains (SODD)

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<212> PRT
<213> Homo sapiens

<220>
<223> Bcl2-associated athanogene 4 (BAG4), Silencer of
Death Domains (SODD)

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Pro Pro Pro Leu Tyr Pro Leu Arg Pro Glu Pro Pro Gln Pro Pro Ile
35 40 45
Ser Trp Arg Val Arg Gly Gly Gly Pro Ala Glu Thr Thr Trp Leu Gly
50 55 60
Glu Gly Gly Gly Gly Asp Gly Tyr Tyr Pro Ser Gly Gly Ala Trp Pro
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Glu Pro Gly Arg Ala Gly Gly Ser His Gln Glu Gln Pro Pro Tyr Pro
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Ser Tyr Asn Ser Asn Tyr Trp Asn Ser Thr Ala Arg Ser Arg Ala Pro
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Thr Gln Thr Ser Tyr Ser Thr Glu Val Pro Ser Thr Tyr Arg Ser Ser
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Cys Gln Thr Glu Ala Pro Pro Leu Arg Gly Gln Val Pro Gly Tyr Pro
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Gly Asn Arg Ser Val Pro Gln Ser Gly Pro Thr Val Arg Pro Gln Glu
225 230 235 240

Asp Ala Trp Ala Ser Pro Gly Ala Tyr Gly Met Gly Gly Arg Tyr Pro
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 Trp Pro Ser Ser Ala Pro Ser Ala Pro Pro Gly Asn Leu Tyr Met Thr
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 Ser Pro Pro Val Gln Gln Pro Lys Asp Ser Ser Tyr Pro Tyr Ser Gln
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 Ser Asp Gln Ser Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln
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 Tyr Glu Ser Ser Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp
 325 330 335
 Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr
 340 345 350
 Ser Asp His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu
 355 360 365
 Cys Val Pro Ser Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile
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 His Val Leu Glu Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe
 385 390 395 400
 Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu
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 Thr Lys Glu Leu Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp
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<210> 3

<211> 1814

<212> DNA

<213> Homo sapiens

<220>

<223> ADP-ribosylation factor-1 (ARF1)

<400> 3

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<210> 4

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<223> ADP-ribosylation factor-1 (ARF1)

<400> 4

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Ile Leu Tyr Lys Leu Lys Leu Gly Glu Ile Val Thr Thr Ile Pro Thr
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Ile Gly Phe Asn Val Glu Thr Val Glu Tyr Lys Asn Ile Ser Phe Thr
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Val Trp Asp Val Gly Gly Gln Asp Lys Ile Arg Pro Leu Trp Arg His
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Tyr Phe Gln Asn Thr Gln Gly Leu Ile Phe Val Val Asp Ser Asn Asp
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Arg Glu Arg Val Asn Glu Ala Arg Glu Glu Leu Met Arg Met Leu Ala
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Leu Arg Asn Gln Lys
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<210> 5

<211> 3921

<212> DNA

<213> Homo sapiens

<220>

<223> Ephrin Receptor A2 (EPHA2), Epithelial Cell
 Receptor Protein-Tyrosine Kinase (ECK)

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<210> 6

<211> 976

<212> PRT

<213> Homo sapiens

<220>

<223> Ephrin Receptor A2 (EPHA2), Epithelial Cell
Receptor Protein-Tyrosine Kinase (ECK)

<400> 6

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Asp Phe Ala Ala Ala Gly Gly Glu Leu Gly Trp Leu Thr His Pro Tyr
      35              40              45

Gly Lys Gly Trp Asp Leu Met Gln Asn Ile Met Asn Asp Met Pro Ile
      50              55              60

Tyr Met Tyr Ser Val Cys Asn Val Met Ser Gly Asp Gln Asp Asn Trp
      65              70              75              80

Leu Arg Thr Asn Trp Val Tyr Arg Gly Glu Ala Glu Arg Asn Asn Phe
      85              90              95

Glu Leu Asn Phe Thr Val Arg Asp Cys Asn Ser Phe Pro Gly Gly Ala
      100             105             110

Ser Ser Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Ala Glu Ser Asp Leu
      115             120             125

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7

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Trp	Ser	Phe	Gly	Ile	Val	Met	Trp	Glu	Val	Met	Thr	Tyr	Gly	Glu	Arg	805	810	815
Pro	Tyr	Trp	Glu	Leu	Ser	Asn	His	Glu	Val	Met	Lys	Ala	Ile	Asn	Asp	820	825	830
Gly	Phe	Arg	Leu	Pro	Thr	Pro	Met	Asp	Cys	Pro	Ser	Ala	Ile	Tyr	Gln	835	840	845
Leu	Met	Met	Gln	Cys	Trp	Gln	Gln	Glu	Arg	Ala	Arg	Arg	Pro	Lys	Phe	850	855	860
Ala	Asp	Ile	Val	Ser	Ile	Leu	Asp	Lys	Leu	Ile	Arg	Ala	Pro	Asp	Ser	865	870	875
Leu	Lys	Thr	Leu	Ala	Asp	Phe	Asp	Pro	Arg	Val	Ser	Ile	Arg	Leu	Pro	885	890	895
Ser	Thr	Ser	Gly	Ser	Glu	Gly	Val	Pro	Phe	Arg	Thr	Val	Ser	Glu	Trp	900	905	910
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Gly	Tyr	Thr	Ala	Ile	Glu	Lys	Val	Val	Gln	Met	Thr	Asn	Asp	Asp	Ile	930	935	940
Lys	Arg	Ile	Gly	Val	Arg	Leu	Pro	Gly	His	Gln	Lys	Arg	Ile	Ala	Tyr	945	950	955
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<210> 7

<211> 200

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:poly-Gly
flexible linker

<220>

<221> MOD_RES

<222> (6)..(200)

<223> Gly residues from position 6 to 200 may be present
or absent

<400> 7

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Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Gly	20	25	30
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Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
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